

# ANNUAL REPORT

TO THE

Longtown Rural District Council

*For the Year ending 31st December, 1906,*

BY


DR. S. F. McLACHLAN,

MEDICAL OFFICER OF HEALTH.



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LONGTOWN, FEBRUARY, 1907.

## ANNUAL REPORT

To the Longtown Rural District Council,

*For the Year ending December 31st, 1906.*

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GENTLEMEN,

Herewith I beg to lay before you the tables of births, deaths, and new cases of infectious diseases, as required by the Local Government Board.

The total number of deaths registered in our district during 1906 has been 87; 39 being males and 48 females, which are equal to a death-rate of 13.18 per thousand per annum. In 1905 the number of deaths was 107, and the rate 16.21. Of those under one year of age there were 16 deaths, with a rate of 2.42; last year 17 deaths, rate 2.57. Of those between one and five years of age 4 deaths, rate 0.60; last year 8 deaths, rate 1.21. Of those sixty-five years of age and upwards 37 deaths, rate 5.60; last year 42 deaths, rate 6.36.

The total number of births registered during 1906 has been 143; 81 being males and 62 females, which are equal to a birth-rate of 21.66 per thousand per annum. Last year there were 154 births; 67 being males and 87 females, with a birth-rate of 23.33.

In the High District the number of deaths was 20, and the births 34; the death-rate being 11.11, and the birth-rate 18.18. Last year the number of deaths was 27, and the rate 15.00. Of those under five years of age there were 3 deaths, with a rate of 1.66; last year the number was 4, and the rate 2.22. Of those sixty-five years of age and upwards 9 deaths, rate 5.00; last year 10 deaths, rate 5.55.

In the Low District, including the Workhouse, the number of deaths was 67, and the rate 13.96; the number of births was 109, and the rate 22.70. Last year the number of deaths was 80, and the rate 16.66. In the Low District, excluding the Workhouse, there were 64 deaths, with a rate of 13.29; last year 76 deaths, rate 16.00. Of those under five years of age 18 deaths, rate 3.75; last year 21 deaths, rate 4.87. Of those sixty-five years of age and upwards, 28 deaths, rate 5.83; last year 32 deaths, rate 6.66.

In Longtown there were 30 deaths, with a rate of 17.64; last year 41 deaths, rate 24.11. Of those under five years of age 9 deaths, rate 5.30; last year 12 deaths, rate 7.05. Of those sixty-five years of age and upwards, 14 deaths, rate 8.23; last year 15 deaths, rate 8.82.

The following table shews the number of deaths and the rate per thousand in Longtown since 1881:—

Year.	Number of Deaths.			Death-rate
1881	...	36	...	20.27
1882	...	36	...	20.27
1883	...	41	...	23.08
1884	...	29	...	16.32
1885	...	39	...	21.95
1886	...	40	...	22.22
1887	...	36	...	20.00
1888	...	24	...	13.51
1889	...	41	...	22.77
1890	...	48	...	26.66
1891	...	40	...	23.86
1892	...	40	...	23.86
1893	...	29	...	17.30
1894	...	33	...	19.68
1895	...	44	...	26.25
1896	...	23	...	13.72
1897	...	24	...	14.32
1898	...	31	...	18.49
1899	...	39	...	23.26
1900	...	30	...	17.90
1901	...	25	...	14.49
1902	...	25	...	14.49
1903	...	22	...	12.75
1904	...	21	...	12.35
1905	...	41	...	24.11
1906	...	30	...	17.64

The total number of deaths from zymotic diseases in 1906 has been 4, with a rate of 0.60. Last year 5 deaths, rate 0.75.

Table shewing the number of deaths and the rate per thousand due to zymotic diseases since 1881:—

Year.	Number of Deaths.		Death-rate.
1881	...	7	0.90
1882	...	14	1.81
1883	...	10	1.28
1884	...	4	0.51
1885	...	5	0.64
1886	...	14	1.78
1887	...	9	1.14
1888	...	7	0.88
1889	...	5	0.63
1890	...	9	1.13
1891	...	10	1.39
1892	...	7	0.97
1893	...	9	1.25
1894	...	10	1.39
1895	...	1	0.13
1896	...	3	0.41
1897	...	4	0.55
1898	...	7	0.97
1899	...	8	1.11
1900	...	1	0.14
1901	...	2	0.30
1902	...	6	0.89
1903	...	0	0.00
1904	...	0	0.00
1905	...	5	0.75
1906	...	4	0.60

Table of deaths due to phthisis and the rate per thousand since 1882:—

Year.	Number of Deaths.		Death-rate.
1882	...	20	2.59
1883	...	20	2.57
1884	...	20	2.56
1885	...	18	2.31
1886	...	13	1.66
1887	...	10	1.27
1888	...	13	1.64
1889	...	17	2.14
1890	...	14	1.76

Year.	Number of Deaths.		Death-rate
1891	...	14	1.94
1892	...	14	1.94
1893	...	9	1.25
1894	...	11	1.53
1895	...	9	1.25
1896	...	7	0.97
1897	...	8	1.11
1898	...	5	0.69
1899	...	10	1.39
1900	...	8	1.11
1901	...	6	0.89
1902	...	7	1.04
1903	...	11	1.66
1904	...	11	1.66
1905	...	2	0.30
1906	...	8	1.21

Table shewing the number of deaths and the rate per thousand from pulmonary diseases, including phthisis, since 1882:—

Year.	Number of Deaths.		Death rate.
1882	...	35	4.54
1883	...	59	7.60
1884	...	34	4.38
1885	...	43	5.52
1886	...	46	5.87
1887	...	25	3.18
1888	...	34	4.30
1889	...	33	4.16
1890	...	40	5.05
1891	...	41	5.70
1892	...	36	5.01
1893	...	26	3.62
1894	...	34	4.73
1895	...	33	4.59
1896	...	22	3.06
1897	...	22	3.06
1898	...	20	2.78
1899	...	26	3.62
1900	...	17	2.36
1901	...	15	2.24
1902	...	18	2.69
1903	...	17	2.57
1904	...	33	5.00
1905	...	20	3.03
1906	...	14	2.12

Table of deaths and the rate per thousand from pulmonary diseases, excluding phthisis:—

Year.	Number of Deaths.		Death-rate.
1882	...	15	1.95
1883	...	39	5.03
1884	...	14	1.82
1885	...	25	3.21
1886	...	33	4.21
1887	...	15	1.91
1888	...	21	2.66
1889	...	16	2.02
1890	...	26	3.29
1891	...	27	3.76
1892	...	22	3.07
1893	...	17	2.36
1894	...	23	3.20
1895	...	24	3.34
1896	...	15	2.08
1897	...	14	1.95
1898	...	15	2.08
1899	...	16	2.22
1900	...	9	1.25
1901	...	9	1.34
1902	...	11	1.64
1903	...	6	0.90
1904	...	22	3.33
1905	...	18	2.72
1906	...	6	0.90

The lowest death-rate in 1906 occurred in Scaleby, there being 2 deaths, with a rate of 5.39. The highest death-rate occurred in Kirkandrews, with 12 deaths, and a rate of 17.54. In Arthuret, including Workhouse, 39 deaths, rate 16.00. In Arthuret, excluding Workhouse, 36 deaths, rate 14.77. In Kirklington, 14 deaths, rate 10.70. In Bewcastle, 8 deaths, rate 9.37. In Stapleton, 6 deaths, rate 12.21. In Nichofores 6 deaths, rate 12.55.

The following table shews the total number of deaths and the rate per thousand since 1881:—

Year.	Number of Deaths.		Death-rate.
1881	...	124	16.08
1882	...	126	16.34
1883	...	143	18.34
1884	...	121	15.60
1885	...	134	17.21

Year.	Number of Deaths.		Death-rate.
1886	...	155	19.97
1887	...	118	15.02
1888	...	123	15.53
1889	...	124	15.65
1890	...	152	19.18
1891	...	124	17.26
1892	...	123	17.12
1893	...	114	15.87
1894	...	114	15.87
1895	...	136	18.93
1896	...	96	13.36
1897	...	103	14.34
1898	...	111	15.45
1899	...	112	15.59
1900	...	109	15.17
1901	...	82	12.28
1902	...	88	13.18
1903	...	85	12.88
1904	...	118	17.87
1905	...	107	16.21
1906	...	87	13.18

Of the total number of deaths 32 were seventy years of age and upwards, of which 13 were eighty years of age and upwards, 4 being ninety and upwards. The ages of those seventy years of age and upwards are as follows:—70, 70; 71, 71; 72, 72, 72, 72; 73; 75; 75; 76; 77, 77; 78, 78, 78, 78; 79; 81, 81, 81, 81; 83; 85, 85, 85, 85; 90; 91; 95, 95.

#### DEATHS REGISTERED FROM DIFFERENT CAUSES DURING THE YEAR 1906.

Cause of Death	Number.
Senile Decay ... ..	7
Diseases of Nervous System ... ..	13
„ Respiratory System ... ..	6
„ Digestive System ... ..	7
„ Heart ... ..	15
„ Liver ... ..	1
Phthisis (Consumption) ... ..	8
Other Tubercular Diseases ... ..	3
Cancer ... ..	5
Whooping Cough ... ..	1
Erysipelas ... ..	1
Puerperal Fever ... ..	2.



Cause of Death.				Number.
Enteritis	...	...	...	2
Diabetes	...	...	...	1
Pernicious Anæmia	...	...	...	1
Uæmia	...	...	...	1
Diarrhoea	...	...	...	1
Gangrene	...	...	...	1
Chronic Rheumatism	...	...	...	1
Intestinal Obstruction	...	...	...	2
Accidents	...	...	...	3
Premature Births	...	...	...	5
Total				87

Table shewing the number of deaths from cancer since 1890:—

Year.					Number.
1890	...	...	...	...	5
1891	...	...	...	...	8
1892	...	...	...	...	8
1893	...	...	...	...	6
1894	...	...	...	...	8
1895	...	...	...	...	2
1896	...	...	...	...	5
1897	...	...	...	...	2
1898	...	...	...	...	3
1899	...	...	...	...	3
1900	...	...	...	...	10
1901	...	...	...	...	4
1902	...	...	...	...	7
1903	...	...	...	...	6
1904	...	...	...	...	8
1905	...	...	...	...	7
1906	...	...	...	...	5

Table of deaths from cancer during 1906:—

Parish	Sex.	Age.	Disease.	Cause.
Bewcastle	F.	66	Stomach	Not known
Do.	M.	55	Bladder & Bowels	„
Arthuret	F.	56	Uterus	„
Do.	F.	75	Mouth & Nose	„
Do.	F.	85	Breast	„

In comparing the vital statistics of 1906 with those of the previous year, I have to state that there has been a marked decrease in the number of deaths, 20 fewer deaths, and a death-rate of 13.18, against 16.21 in 1905. The

average number of deaths for the previous ten years has been 100, against 87 in 1906. There were 5 deaths due to cancer, against 7 in 1905; the average number during the last five years being  $6\frac{3}{5}$ . There were fewer deaths due to respiratory diseases, 6 against 18 in 1905. There has also been a decrease in the number of deaths due to heart diseases, 15 against 23 in 1905. The deaths due to phthisis show an increase from 2 in 1905 to 8 this year. There were 4 deaths due to zymotic diseases, against 5 in the previous year. There has been a notable number of deaths among very old people, 32 out of a total number of 87 deaths. There were 2 died in the district but not belonging to it, and 2 died out of the district but belonging to it, so as the one just balances the other. There is no alteration in the number of deaths or the death-rate. There has been a decrease in the number of births, 143 against 154 in 1905.

I had 15 notifications of infectious diseases during the year, 7 being in the High District and 8 in the Low District.

#### SCARLET FEVER.

There were 8 cases, 5 in the High District and 3 in the Low District. In January one case occurred at Knowhead, and 2 at Crook in February. In April 1 at Gibbstown, and in May 1 at Kingfield Cottage. In April 1 occurred at Mosshouse, 1 in Longtown in May, and 1 in August.

#### ERYSIPELAS.

One occurred in July and 2 in September, in Longtown.

#### PUERPERAL FEVER.

One occurred at Shawhead and one at Sandbed.

#### DIPHTHERIA.

One occurred in February at Blackford—the infection having been got in Carlisle—and 1 in March at Steppings.

#### WHOOPING COUGH.

Epidemics occurred among children attending Park, Bailey, and Stapleton Schools, necessitating closing the Schools.

## MEASLES.

An epidemic occurred among children attending Longtown School, necessitating its closure.

I append details of some of the sanitary work done during the year.

At Boltonfell, where there had been two cases of diphtheria in August, 1905, the premises were not in a sanitary condition. There was no gully-trap at the back door of dwelling house, and only a small tile drain to carry off slops, &c. A sewer drain with earthenware socketed pipes has been put in, and properly trapped gullies provided. At Riggmoor, where there was insufficient ventilation in two bedrooms and no privy accommodation, the bedrooms have been ventilated and a privy provided. Hethersgill village, where the drainage was polluting the water in a trough from which cattle drank, a drain has been put in to carry the drainage past the trough. At Blackford Farm, where the yard was in an insanitary condition, due to manure heap being kept in the yard and defective drains, new drains have been put in and manure heap removed out of the yard. At Drakemire, where there was a want of drains to carry off liquid from yard and outbuildings: in this case a drain has been put in and gully-traps provided. At Legair, where there was no drainage from piggery and byre, the liquid running past the end of the house—also an open trap at house door for slops—drain stopped up, in wet weather rain comes in at roof of back kitchen, no privy accommodation. Notice has been served on the owner. Sunnyside, where there was a want of drainage to carry off slops from dwelling house and liquid manure from byre, drains have been put in and untrapped gullies. Notice has been served to fix trapped gullies, but so far it has not been done. At Westlinton, where there was a nuisance from a choked drain, this was remedied and a trapped gully provided. At Blackford, where a ditch which carries the drainage from two farms and three cottages was in a filthy condition, the ditch was cleaned out. At Steppings, where rain came in at a corner of the kitchen ceiling, the paper being discoloured with it. The bedroom floor is a flag one, and said to be damp. No channel, drainage or traps in the yard. The dwelling house has been re-thatched, floor of bedroom boarded, and the channel in yard reformed to carry the liquid into the garden. Greystone, where there

was insufficient ventilation in bedroom, and no privy accommodation, the work has been carried out. At Grey-stone, where the bedroom was damp, case still under consideration. Tenant under notice to quit. At Horsegills, where there was insufficient drainage in the yard, and a want of proper gully-traps, a proper sewer has been put in and trapped gullies fixed. At Quarrybrow, where there was no drain at dwelling house door to carry off waste water, and no privy accommodation, drain, gully-trap, and privy have been provided. At Hetherbank, no drainage from piggeries to carry off liquid—it runs on to the public road. A drain has been put in and a gully-trap provided. The work is not satisfactory, and the owner has had further notice. At Uppertown, where the manure heap in the yard is about four yards from the pump well, and a lot of liquid standing about the yard, due to defective paving and channelling, the pavement has been repaired, but nothing else done. Notice has been sent to the agent to have the work carried out according to the recommendations of the Council. At Newtown, where there was a want of drainage to carry off the liquid manure from the yard, the necessary work will be carried out when weather permits. At Blackmoss, where there was a bedroom with no ventilation, and the walls damp—new window provided for bedroom, and it does not now appear to be damp. At Roadhead, where the walls of a bedroom were damp, also two other houses not provided with privies, the owner has had the usual notices sent him. At Blackford School, which I reported in 1904 and 1905, the privies have been fitted with pails and the ashpit properly ventilated. At Park School, the various matters I referred to in my Report of 1905 have been remedied. At Park Farm, the insanitary condition of which I reported in 1905, so far nothing has been done. At Whiteclose Rigg, where there was a want of proper drainage in the yard, the yard has been drained and a sufficient number of gully-traps fixed. At English-town, a number of sanitary improvements have been carried out, the drainage put into proper condition, and the outbuildings greatly improved. The dwelling house has been overhauled and fitted with bath and lavatory. At Fir Ends School, sewer drains have been put in to carry off the liquid from urinal, &c. At Hillbottom, where the parlour walls were very damp, they have been boarded. The drainage in front of the house is in bad condition, and nothing has been done to remedy it. At Nixonstown,

where there was insufficient ventilation in two bedrooms, the drainage in the yard in bad condition, this has been left over till spring, when owner promised to have the work carried out. In Longtown, where pigs were kept in a yard where there was insufficient drainage, there was a large quantity of smelling liquid standing in ashpit. Drains have been put in, and liquid removed, and the ashpit properly filled up with clay to the level of the gully-trap. In Longtown, where the floor of one of the slaughterhouses was in a bad condition, the blood collecting in the holes and stagnating, the floor has been cemented. In Longtown, in a yard with six tenants, there was a smelling cesspool. A proper gully-trap has been put in, remedying the nuisance.

#### DAIRIES, COWSHEDS, AND MILKSHOPS' ORDER OF 1885.

The above Order has been put into force during the year in this district. Nineteen persons have applied to be registered as cowkeepers, and 1 as a dairy. A detailed report of the condition of the cowsheds and dairy, of which the following is a copy, was laid before the District Council in July. Twelve persons have complied with the requirements and have been registered, and the others will shortly have the necessary improvements carried out. The dairy being in a satisfactory condition was at once registered.

In Longtown, cowshed, four cows, ventilation deficient. Drainage—No channel in byre to carry off liquid. There is a gully-trap outside door, fairly clean; water supply in yard. In Longtown, three cows, ventilation and light insufficient. Drainage—Channel not a good one, and liquid lying about; there is a trap outside door, fairly clean; water supply in yard. In Longtown, six cows, no ventilation and insufficient light, poultry kept above byre, fairly clean; water supply in yard. In Longtown, four cows, good ventilation and clean, not sufficient light. Good drainage and water supply. In Longtown, two cows, drainage, ventilation and light sufficient, and very clean; no proper gully-trap at door. In Longtown, eleven cows, clean, and plenty of light and ventilation, drainage good; no gully-trap at byre door. At Wide-open-dykes, No. 1 byre, eight cows, ventilation and light good, fairly clean, insufficient drainage in byre, and trap required at door. Byre No. 2, eight cows, ventilation and light good, fairly clean,



drainage as in No 1. At Blackford, No. 1 byre, eight cows, insufficient ventilation, fairly clean, drainage in order. No. 2 byre, four cows, good light and ventilation, &c., fairly clean. No. 3 byre, four cows—as above. English-town, byre, 30 cows, is quite new, and everything in good order and condition. At Jackson's Rigg, No. 1 byre, seven cows, ample light and ventilation, drainage fair, fairly clean. No. 2 byre, two cows, no ventilation or drainage. No. 3 byre, seven cows, no ventilation, clean, light, and drainage fairly good. No. 4 byre, one cow, floor in bad condition, no drainage, no ventilation or light; heus kept above, and not properly lofted. At High Hallburn, No. 1 byre, seven cows, clean, well ventilated and lighted, and proper drainage. No. 2 byre, five cows—as above. At Oldhall, No. 1 byre, eight cows, drainage in bad condition, no gully-trap at door; not very clean, ventilation good. No. 2 byre, eight cows, drainage as above, no gully-trap at door, sufficient ventilation. At Riddings, byre No. 1, nineteen cows, ventilation, light, and drainage satisfactory. No. 2 byre, five cows, as above, but no gully-trap at the door. At Low Plains, No. 1 byre, thirteen cows, plenty of light, but deficient ventilation, drainage fairly good. No. 2 byre, four cows, no light or ventilation, fairly clean. At Briscohill, No. 1 byre, seventeen cows, ventilation and light abundant, drainage in good order; no gully-trap at door. No. 2 byre, eight cows, insufficient ventilation, plenty of light and fairly clean. Drainage—Channel should be cemented, and a gully-trap at door. No. 3 byre, eight cows, ventilation and light sufficient—drainage as above, but there is a trap. At Bush-on-Lyne, No. 1 byre, twenty-eight cows, drainage, ventilation, and light satisfactory. No. 2 byre, seven cows, drainage fairly good, no light, should be ventilated from the roof.

#### WATER SUPPLY.

At Mossband Hall cottages, the private water supply having got out of order, they are now using the Longtown public water supply. Blackford Farm, where the pump water in the yard was analysed and found unfit for domestic use, nothing has been done to provide a pure supply. Water is carried from The Hill more than 300 yards distant. At Dashwell Green there was a deficiency of water in the well, caused through the carrying out of the Public Water Scheme. The well has been sunk

three feet deeper, and there is now an abundant supply. At Steppings the water for domestic purposes is got from the river Lyne in dry weather, and in wet weather from a tile drain in a field near the house. The water is filtered in a Silicon Carbon Filter—very unsatisfactory unless the carbon is frequently changed. A better plan would be to provide a proper supply by sinking a well. Six re-charges of carbon were provided, and the matter left over to see how it acts. Fir Ends School, where there was a deficient water supply, the well has been deepened, and a good and plentiful supply procured. Wyngatehead, Breckonhill Rigg, and Shiel Green, which I reported in 1905, have now been provided with a good supply of water, which is raised from a spring near the river Lyne, by a hydraulic ram to a reservoir at Wyngatehead, from thence it gravitates to Breckonhill Rigg and Shiel Green Farms. At Nixonstown, water is got from a tile drain behind the house, but which is dry in the summer; there was a very small quantity running when visited, it is then carried from the river Lyne; nothing has been done. At Hillbottom, where domestic water supply has to be carried more than 300 yards, nothing has been done. At Mossedge I reported the want of a good and abundant supply to eleven tenants, who have to carry it from Lodgehill well, a distance of half-a-mile. Other tenants are supplied by three pumps, one of which is stated to be unfit for use, and another sometimes gets dirty. The windmill has been out of order for fully four months, so that the water is not pumped to Lodgehill as formerly; great complaints have been made by the tenants on account of the distance and dirty roads water had to be carried. The matter is at present under the consideration of the District Council.

#### REPORT ON THE ADMINISTRATION OF THE FACTORY AND WORKSHOP ACT, 1901.

During the year 1906, 135 inspections were made, of which 24 were to Factories and 101 to Workshops, &c. There were 7 cases which required lime washing, 1 where a privy was required, and two where privies required cleaning; all of which were remedied.

I am,

Your obedient Servant,

S. F. McLACHLAN,

Medical Officer of Health.

Longtown Rural District Council.

**TABLE I.**  
**Vital Statistics of whole District during 1906 and Previous Years.**  
**Longtown Rural Sanitary District.**

Longtown Rural Sanitary District.												
Year.	Population estimated to middle of each Year.	Births.		Total Deaths registered in the District.				Deaths in Public Institutions in the District.	Deaths of Non-residents registered in Public Institutions in the District.	Deaths of residents registered in Public Institutions beyond the District.	Nett Deaths at all ages belonging to the District.	
		Number.	Rate.	Under one year of age.		At all ages.					Number.	Rate.
				Number.	Rate per 1000 Births Registered.	Number.	Rate.					
1896	7181	183	25.48	14	76.5	96	13.36	8	...	...	93	12.95
1897	7181	161	22.42	16	99.38	103	14.34	10	...	...	101	14.06
1898	7181	183	25.48	15	81.96	111	15.45	3	...	...	109	15.17
1899	7181	169	23.53	35	207.10	112	15.59	8	...	...	111	15.45
1900	7181	152	21.16	12	78.94	109	15.17	4	...	...	109	15.17
1901	6676	159	23.81	29	125.8	82	12.28	3	...	...	81	12.13
1902	6676	129	19.32	11	85.27	88	13.18	4	1	1	88	13.18
1903	6600	134	20.33	10	71.63	85	12.88	2	...	...	85	12.88
1904	6600	125	18.94	12	96.00	118	17.87	10	1	3	120	18.18
1905	6600	154	23.33	17	110.4	107	16.21	4	1	1	107	16.21
Averages } for years 1896-1905 }		6905	22.38	16	103.29	101	14.63	5 <sup>3</sup> / <sub>10</sub>	...	1 <sup>1</sup> / <sub>2</sub>	100	14.53
1906	6600	143	21.66	16	111.8	87	13.18	3	...	2	89	13.48

Total population at all ages ... 6676  
 Number of inhabited houses ... 1435  
 Average number of persons per house ... 4½

Area of District in acres (exclusive of area covered by water)—94,173      At Census of 1901.



TABLE II.

Vital Statistics of separate Localities in 1906 and  
previous years.

Longtown Rural Sanitary District.

Names of Localities.	Whole District.				High District.				Low District.			
	Population estimated to middle of each Year.	Births registered.	Deaths at all Ages.	Deaths under 1 year.	Population estimated to middle of each Year.	Births registered.	Deaths at all Ages.	Deaths under 1 year.	Population estimated to middle of each Year.	Births registered.	Deaths at all Ages.	Deaths under 1 year.
1896 ...	7181	183	93	14	2124	53	22	5	5057	130	71	9
1897 ...	7181	161	101	16	2124	39	26	5	5057	122	75	11
1898 ...	7181	183	109	15	2124	55	37	2	5057	128	72	13
1899 ...	7181	169	111	35	2124	40	26	6	5057	129	85	29
1900 ...	7181	152	109	12	2124	37	30	2	5057	115	79	10
1901 ...	6676	159	82	20	1839	44	23	6	4837	115	59	14
1902 ...	6676	129	88	11	1839	30	22	1	4837	99	66	10
1903 ...	6600	134	85	16	1800	41	28	3	4800	93	57	7
1904 ...	6600	125	120	12	1800	32	39	4	4800	93	81	8
1905 ...	6600	151	107	17	1800	40	27	2	4800	114	80	15
Averages of Years 1896 to 1905 }	6905	154	100	16	1969	41	28	3 $\frac{1}{3}$	4936	112	72	12 $\frac{3}{8}$
1906 ..	6600	143	89	16	1800	34	20	3	4800	109	69	13

**TABLE III.**  
**Cases of Infectious Disease notified during the Year 1906.**  
**Longtown Rural Sanitary District.**

NOTIFIABLE DISEASE.	CASES NOTIFIED IN WHOLE DISTRICT.						TOTAL CASES NOTIFIED IN EACH LOCALITY.		No. of Cases re-moved to Hospital from each Locality.	
	At all Ages.	At Ages -- Years.					High District.	Low District.	High District.	Low District W.
		Under 1.	1 to 5.	5 to 15.	15 to 25.	25 to 65.				
Small-pox ...	...	...	...	...	...	...	...	...	...	...
Cholera ...	...	...	...	...	...	...	...	...	...	...
Diphtheria ...	2	...	...	2	...	...	1	1	...	...
Membranous Group ...	...	...	...	...	...	...	...	...	...	...
Erysipelas ...	3	...	...	1	...	...	...	3	...	...
Scarlet Fever ...	8	1	2	4	1	1	5	3	...	...
Typhus Fever...	...	...	...	...	...	...	...	...	...	...
Enteric Fever...	...	...	...	...	...	...	...	...	...	...
Relapsing Fever	...	...	...	...	...	...	...	...	...	...
Continued Fever	...	...	...	...	...	...	...	...	...	...
Puerperal Fever	2	...	...	...	...	2	1	1	...	...
Plague...	...	...	...	...	...	...	...	...	...	...
Totals ...	15	1	2	5	3	4	7	8	Nil	Nil

Isolation Hospital -- Carlisle Fever Hospital,

TABLE IV.

Causes of, and Ages at, Death during Year 1906.  
Longtown Rural Sanitary District.

CAUSES OF DEATH.	Deaths at the subjoined ages of "Residents" whether occurring in or beyond the District.							Deaths at all ages of "Residents" belonging to localities, whether occurring in or beyond the district.		Total deaths whether of Residents or non "Residents" in Public Institutions in the district.
	All ages	Under 1 year.	1 and under 5.	5 and under 15.	15 and under 25.	25 and under 65.	65 and upwards.	High District	Low District	
Small-pox ... ..	...	...	...	...	...	...	...	...	...	...
Measles ... ..	...	...	...	...	...	...	...	...	...	...
Scarlet Fever ..	...	...	...	...	...	...	...	...	...	...
Whooping-cough ..	1	1	...	...	...	...	...	1	...	...
Diphtheria and Membranous Croup ...	...	...	...	...	...	...	...	...	...	...
Croup ... ..	...	...	...	...	...	...	...	...	...	...
Fever { Typhus ... ..	...	...	...	...	...	...	...	...	...	...
Enteric ... ..	...	...	...	...	...	...	...	...	...	...
Other continued ..	...	...	...	...	...	...	...	...	...	...
Epidemic Influenza ...	...	...	...	...	...	...	...	...	...	...
Cholera ... ..	...	...	...	...	...	...	...	...	...	...
Plague ... ..	...	...	...	...	...	...	...	...	...	...
Diarrhoea ... ..	1	1	...	...	...	...	...	...	1	...
Enteritis ... ..	2	...	1	...	...	1	...	1	1	...
Puerperal Fever ...	2	...	...	...	1	1	...	1	1	...
Erysipelas ... ..	1	1	...	...	...	...	...	...	1	...
Other Septic Diseases ...	...	...	...	...	...	...	...	...	...	...
Phthisis (Pulmonary Tuberculosis) ...	8	...	...	...	2	6	...	2	6	...
Other Tubercular Diseases ...	4	1	2	1	...	...	...	...	4	...
Cancer, Malignant Disease ...	5	...	...	...	...	2	3	2	3	...
Bronchitis ... ..	2	...	...	...	...	...	2	...	2	...
Pneumonia ... ..	4	...	...	...	...	2	2	1	3	1
Pleurisy ... ..	...	...	...	...	...	...	...	...	...	...
Other Diseases of Respiratory Organs ...	...	...	...	...	...	...	...	...	...	...
Alcoholism ... ..	...	...	...	...	...	...	...	...	...	...
Cirrhosis of Liver } ...	1	...	...	...	...	1	...	...	1	...
Venereal Diseases ...	...	...	...	...	...	...	...	...	...	...
Premature Birth ...	5	5	...	...	...	...	...	2	3	...
Diseases and Accidents of Parturition ...	2	...	...	...	...	2	...	1	1	...
Heart Diseases ...	15	...	...	...	...	5	10	3	12	1
Accidents ... ..	4	...	1	...	...	2	1	1	3	...
Suicides ... ..	...	...	...	...	...	...	...	...	...	...
Diabetes ... ..	1	...	...	...	...	...	1	...	1	...
Pernicious Anaemia ...	1	...	...	...	...	...	1	...	1	...
All other causes ...	30	7	...	1	...	5	17	5	25	1
All causes ... ..	89	16	4	2	3	27	37	20	69	3

TABLE V.

Longtown Rural Sanitary District.  
 INFANTILE MORTALITY DURING THE YEAR 1906.  
 Deaths from stated Causes in Weeks and Months under One Year of Age.

CAUSE OF DEATH.		Under 1 Week.	1-2 Weeks.	2-3 Weeks.	3-4 Weeks.	Total under 1 Month.	1-2 Months.	2-3 Months.	3-4 Months.	4-5 Months.	5-6 Months.	6-7 Months.	7-8 Months.	8-9 Months.	9-10 Months.	10-11 Months.	11-12 Months.	Total Deaths under One Year.
All Causes	{ Certified ...	5	3	...	...	8	1	3	1	1	...	...	...	1	1	...	...	16
	{ Uncertified ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Common Infectious Diseases.	Small-pox ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Chicken-pox ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Measles ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Scarlet Fever ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Diphtheria: Croup... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Whooping Cough ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	1
Diarrhœal Diseases.	Diarrhœa, all forms... ..	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	1
	{ Enteritis, Muco-enteritis }	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	{ Gastro-enteritis }	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	{ Gastritis, Gastro-intestinal Catarrh }	...	...	...	...	...	1	1	...	...	...	...	...	...	...	...	...	2
Wasting Diseases.	Premature Birth ... ..	3	2	...	...	5	...	...	...	...	...	...	...	...	...	...	...	5
	Congenital Defects... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Injury at Birth ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	{ Want of Breast milk }	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Tuberculous Diseases.	{ Starvation }	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	{ Atrophy, Debility, Marasmus }	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	{ Tuberculous Meningitis }	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	1
	{ Tuberculous Peritonitis : Tabes Mesenterica }	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Other Causes.	{ Other Tuberculous Diseases }	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Erysipelas ... ..	...	...	1	...	1	...	...	...	...	...	...	...	...	...	...	...	1
	Syphilis ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Rickets ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	{ Meningitis (not Tuberculous) }	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Convulsions... ..	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	1
	Bronchitis ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Laryngitis ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Pneumonia ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	{ Suffocation, over-lying }	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Other Causes ... ..	2	...	...	...	2	...	1	...	...	...	...	...	1	...	...	...	4
		5	3	...	...	8	1	3	1	1	...	...	...	1	1	...	...	16

Longtown Rural District.

Births in the year { Legitimate, 128.  
 { Illegitimate, 15.

Deaths in the year of { Legitimate Infants, 15.  
 { Illegitimate " 1.

Population—Estimated to middle of 1906—6,600

Deaths from all Causes at all Ages, 87.